

ATTACHMENT B

1-16 (Cancelled)

17. (Previously Presented) A propylene copolymer composition comprising:

- A) a propylene copolymer containing from 1 to 20% by weight of olefins other than propylene and
- B) at least one propylene copolymer containing from 10 to 30% by weight of olefins other than propylene,

where the propylene copolymer A and the propylene copolymer B are present as separate phases and a portion of n-hexane soluble material is $\leq 2.6\%$ by weight, and the propylene copolymer composition is obtained from a two-stage or multistage polymerization process comprising a catalyst system comprising a metallocene compound, wherein the catalyst system is used in each polymerization stage.

18. (Previously Presented) The propylene copolymer composition as claimed in claim 17, wherein the propylene copolymer composition has a haze value of $\leq 30\%$ and a tensile E modulus is in the range from 100 to 1500 MPa.

19. (Previously Presented) The propylene copolymer composition as claimed in claim 17, wherein the olefin other than propylene in the propylene copolymer A), the propylene copolymer B), or both is ethylene.

20. (Previously Presented) The propylene copolymer composition as claimed in claim 17, wherein a weight ratio of propylene copolymer A to propylene copolymer B is in the range from 90:10 to 20:80.
21. (Previously Presented) The propylene copolymer composition as claimed in claim 17, comprising from 0.1 to 1% by weight, based on the total weight of the propylene copolymer composition, of a nucleating agent.
22. (Previously Presented) The propylene copolymer composition as claimed in claim 17, wherein a glass transition temperature of the propylene copolymer B determined by means of DMTA (dynamic mechanical thermal analysis) is in the range from -20°C to -40°C.
23. (Previously Presented) The propylene copolymer composition as claimed in claim 17, wherein a molar mass distribution M_w/M_n is in the range from 1.5 to 3.5.
24. (Previously Presented) The propylene copolymer composition as claimed in claim 17 which has a number average molecular mass M_n in the range from 50,000 g/mol to 500,000 g/mol.
25. (Previously Presented) A process for preparing a propylene copolymer composition comprising:
- A) a propylene copolymer containing from 1 to 20% by weight of olefins other than propylene and

B) at least one propylene copolymer containing from 10 to 30% by weight of olefins other than propylene,

where the propylene copolymer A and the propylene copolymer B are present as separate phases and a portion of n-hexane soluble material is ≤ 2.6 % by weight;

the process comprising polymerizing monomers in a multistage polymerization comprising at least two successive polymerization stages and a catalyst system comprising a metallocene compound, wherein the catalyst system is used in each polymerization stage.

26. (Previously Presented) A process comprising producing fibers, films or moldings from a propylene copolymer composition, the process comprising extruding, injection-molding, or combination thereof, the propylene copolymer composition, the propylene copolymer composition comprising:

A) a propylene copolymer containing from 1 to 20% by weight of olefins other than propylene and

B) at least one propylene copolymer containing from 10 to 30% by weight of olefins other than propylene,

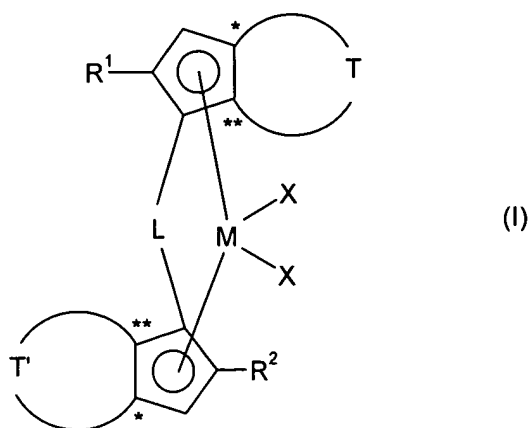
where the propylene copolymer A and the propylene copolymer B are present as separate phases and a portion of n-hexane soluble material is ≤ 2.6 % by weight, and the propylene copolymer composition is obtained from a two-stage or multistage polymerization process comprising a catalyst system comprising a metallocene compound, wherein the catalyst system is used in each polymerization stage.

27. (Previously Presented) A fiber, film or molding comprising a propylene copolymer composition comprising

- A) a propylene copolymer containing from 1 to 20% by weight of olefins other than propylene and
- B) at least one propylene copolymer containing from 10 to 30% by weight of olefins other than propylene,

where the propylene copolymer A and the propylene copolymer B are present as separate phases and a portion of n-hexane soluble material is ≤ 2.6 % by weight, and the propylene copolymer composition is obtained from a two-stage or multistage polymerization process comprising a catalyst system comprising a metallocene compound, wherein the catalyst system is used in each polymerization stage.

28. (Previously Presented) The propylene copolymer composition as claimed in claim 17, wherein the metallocene compound comprises formula (I):



wherein

- M is zirconium, hafnium or titanium;
- X are identical or different and are each, independently of one another, hydrogen, halogen, -R, -OR, -OSO₂CF₃, -OCOR, -SR, -NR₂, -PR₂, or an -OR'O- group, or two X may be joined to one another;
- R is linear or branched C₁-C₂₀-alkyl, C₃-C₂₀-cycloalkyl optionally substituted with at least one C₁-C₁₀-alkyl radical, C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl, or C₇-C₂₀-arylalkyl, wherein R optionally comprises at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or at least one unsaturated bond;
- R' is a divalent group selected from the group consisting of C₁-C₄₀-alkylidene, C₆-C₄₀-arylidene, C₇-C₄₀-alkylarylidene, and C₇-C₄₀-arylalkylidene;
- L is a divalent bridging group selected from the group consisting of C₁-C₂₀-alkylidene radicals, C₃-C₂₀-cycloalkylidene radicals, C₆-C₂₀-arylidene radicals, C₇-C₂₀-alkylarylidene radicals, and C₇-C₂₀-arylalkylidene radicals, or a silylidene group comprising up to 5 silicon atoms, and wherein L optionally comprises at least one heteroatom of groups 13-17 of the Periodic Table of Elements;
- R¹ is linear or branched C₁-C₂₀-alkyl, C₃-C₂₀-cycloalkyl optionally substituted by at least one C₁-C₁₀-alkyl radical, C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl, or C₇-C₂₀-arylalkyl, wherein R¹ optionally comprises at least

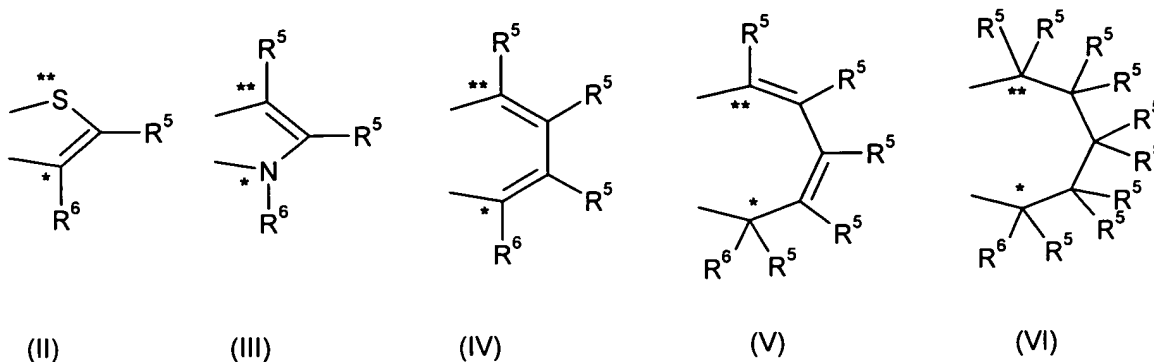
one heteroatom of groups 13-17 of the Periodic Table of the Elements, or at least one unsaturated bond;

R^2 is $-C(R^3)_2R^4$;

R^3 are identical or different and are each, independently of one another, linear or branched C_1 - C_{20} -alkyl, C_3 - C_{20} -cycloalkyl optionally substituted by at least one C_1 - C_{10} -alkyl radical, C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl, or C_7 - C_{20} -arylalkyl, wherein R^3 optionally comprises at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or at least one unsaturated bond, or two R^3 may be joined to form a saturated or unsaturated C_3 - C_{20} -ring;

R^4 is hydrogen or linear or branched C_1 - C_{20} -alkyl, C_3 - C_{20} -cycloalkyl optionally substituted by at least one C_1 - C_{10} -alkyl radical, C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl, or C_7 - C_{20} -arylalkyl, wherein R^4 optionally comprises at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or at least one unsaturated bond;

T and T' are divalent groups of formula (II), (III), (IV), (V) or (VI),



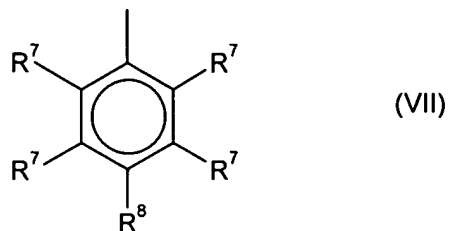
wherein

the atoms denoted by symbols * and ** are joined to the atoms of formula (I) which are denoted by the same symbol;

R⁵ are identical or different and are each, independently of one another, hydrogen, halogen, linear or branched C₁-C₂₀-alkyl, C₃-C₂₀-cycloalkyl optionally substituted by at least one C₁-C₁₀-alkyl radical, C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl, or C₇-C₂₀-arylalkyl, wherein R⁵ optionally comprises at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or at least one unsaturated bond; and

R⁶ are identical or different and are each, independently of one another, halogen, linear or branched C₁-C₂₀-alkyl, C₃-C₂₀-cycloalkyl optionally substituted by at least one C₁-C₁₀-alkyl radical, C₆-C₂₀-aryl, C₇-C₂₀-alkylaryl, or C₇-C₂₀-arylalkyl, wherein R⁶ optionally comprises at least one heteroatom of groups 13-17 of the Periodic Table of the Elements, or at least one unsaturated bond;

29. (Previously Presented) The propylene copolymer composition as claimed in claim 28, wherein R^6 is an aryl group of formula (VII),



wherein

R^7 are identical or different and are each, independently of one another, hydrogen, halogen, linear or branched C_1 - C_{20} -alkyl, C_3 - C_{20} -cycloalkyl optionally substituted by at least one C_1 - C_{10} -alkyl radical, C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl, or C_7 - C_{20} -arylalkyl, wherein R^7 optionally comprises at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or at least one unsaturated bond, or two R^7 may be joined to form a saturated or unsaturated C_3 - C_{20} ring; and

R^8 is hydrogen, halogen, linear or branched C_1 - C_{20} -alkyl, C_3 - C_{20} -cycloalkyl optionally substituted by at least one C_1 - C_{10} -alkyl radical, C_6 - C_{20} -aryl, C_7 - C_{20} -alkylaryl, or C_7 - C_{20} -arylalkyl, wherein R^8 optionally comprises at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or at least one unsaturated bond;

30. (Previously Presented) The propylene copolymer composition as claimed in claim 29, wherein

R^8 is $-C(R^9)_3$; and

R^9 are identical or different and are each, independently of one another, a linear or branched C_1 - C_6 -alkyl group, or two or three of R^9 are joined to form at least one ring system.